



TFT-LCD TV
W152D

USER MANUAL

READ CAREFULLY
BEFORE OPERATION



IMPORTANT SAFETY INSTRUCTIONS

 CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN. 	TO PREVENT ELECTRICAL SHOCK. DO NOT REMOVE THIS COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
 This symbol indicates " dangerous voltage " inside the product that presents a risk of electric shock or personal injury.	 This symbol indicates important instructions accompanying the product.

Please read this manual carefully before using this product.

- Before connecting the AC power cord to the DC adapter outlet, make sure the voltage designation of the LCD TV corresponds to the local electrical supply. If you are unsure of your power supply, ask your local power company.
- Never insert anything metallic into the cabinet openings of the LCD TV; otherwise may cause the danger of electric shock.
- To avoid electric shock, never touch the inside of the LCD TV / adapter. Only a qualified technician should open the case of the LCD TV/adapter.
- Never use your LCD TV/adapter when the power cord has been damaged. Make sure there is nothing resting on the power cord, and keep the cord away from places where people can trip over it.
- Be sure to hold the plug, not the cord when disconnecting the adapter from an electric socket.
- Openings in the LCD TV/adapter cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the LCD TV on a bed, sofa, rug, or other soft surface. As this, may block the ventilation openings in the bottom of the cabinet. If you put the LCD TV in a bookcase or some other airless space, be sure to provide adequate ventilation.
- Do not expose the LCD TV to extreme temperature conditions or to extreme humidity conditions.
- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- Do not clean the front with keton-type materials (e.g. Acetone), ethyl alcohol, toluene, ethyl acid, methyl, or chloride-these may damage the panel.
- Locate your DC adapter near an easily accessible AC outlet.
- If your LCD TV does not operate normally in particular, if there are any unusual sounds or smells coming from it, unplug it immediately and contact an authorized dealer or service center.
- High temperature can cause problems. Don't use your LCD TV in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
- Unplug the DC adapter when it is going to be left unused for a long time .
- To reduce the risk of fire or electric shock, and annoying interference, use the recommended accessories only.
- If the LCD TV is broken, do not try to repair it yourself. Contact qualified service personnel.
- Unplug your DC adapter from the AC outlet before any service.
- Be sure the service technician uses authorized replacement parts or their equivalents. Unauthorized parts may cause fire, electrical shock, or other hazards.
- Following any service or repair, be sure the service technician performs safety checks to certify that your TFT-LCD TV is in a safe operating order.
- The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

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SPECIFICATIONS

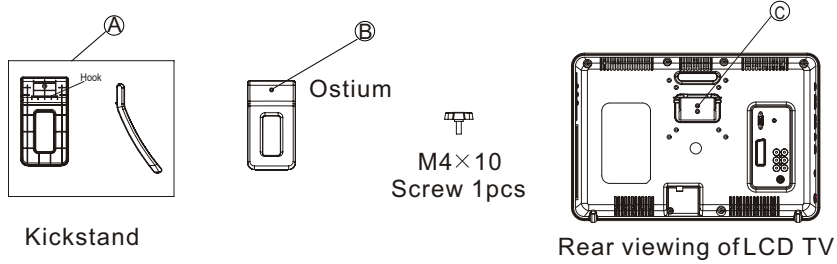
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DISPLAY MODE

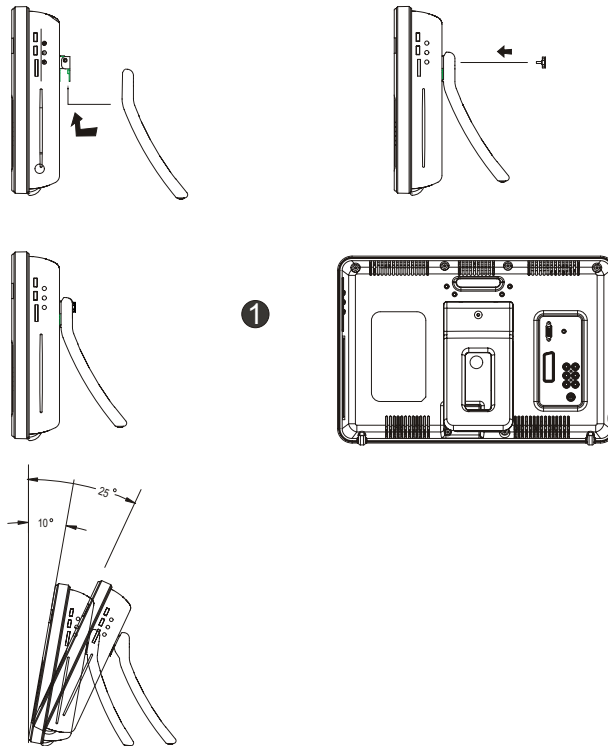
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INSTALLATION

NORMAL INSTALLATION

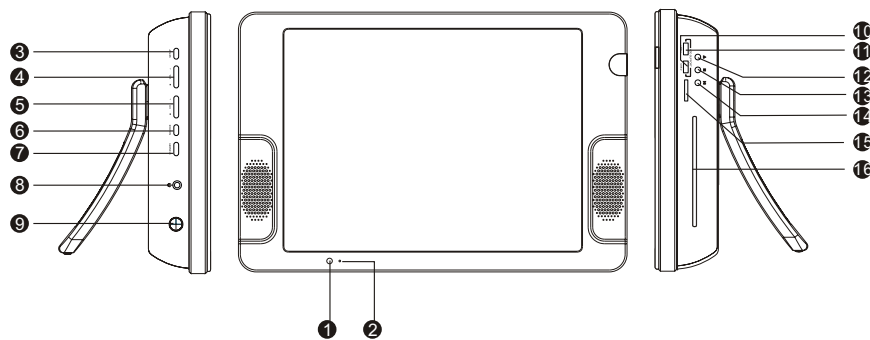


- 1, Hook the tache (labeled A) of the kickstand onto the plate (labeled C).
- 2, Tighten the screws (M4×10) through the ostium (labeled B).
- 3, Figure ① shows the finished installation. The kickstand can rotate 15 -degree.



PANEL BUTTON FUNCTIONS

PANEL CONTROL



Front panel

- ❶ IR sensor window
- ❷ Indicator (Indicator is red when in standby mode, green when working normally.)

Left panel

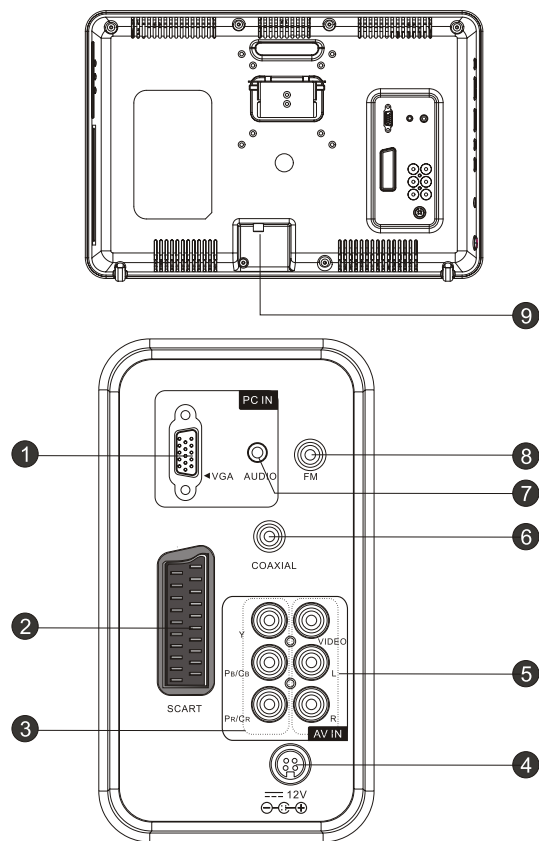
- ❸ **SETUP** (Enter or exit setup menu)
- ❹ **VOL+/-** (Increase or decrease volume)
- ❺ **CH+/-** (Increase or decrease channel number)
- ❻ **SOURCE** (Enter to exit source menu)
- ❼ **STANDBY** (To switch between standby mode and power-on mode)
- ❽ Headphone jack
- ❾ **POWER** (Turns on or off the power supply).

Right panel

- ❿ USB 2 jack
- ⓫ USB 1 jack
- ⓬ ▲ (Eject button)
- ⓭ ■ (Stop button)
- ⓮ ▶|| (Play/pause button)
- ⓯ MEDIA CARD socket
- ⓰ Disc in/out door

PANEL BUTTON FUNCTIONS

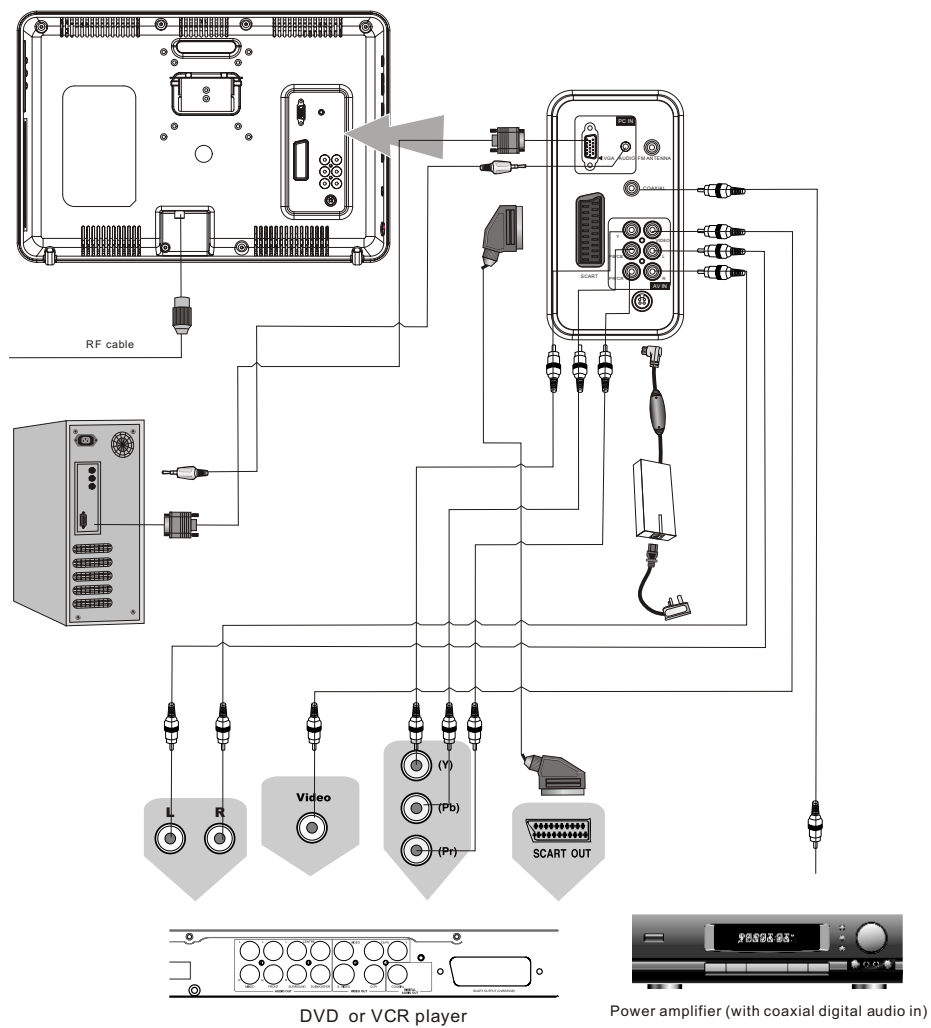
REAR PANEL



- | | |
|---------------------------------|--------------------------------|
| ① VGA input terminal | ⑥ Coaxial digital audio output |
| ② SCART input terminal | ⑦ PC audio input |
| ③ YPbPr or YCbCr input terminal | ⑧ FM antenna |
| ④ 12V DC input terminal | ⑨ RF input terminal |
| ⑤ Composite video/audio input | |

EXTERNAL EQUIPMENT

CONNECTING DIAGRAM

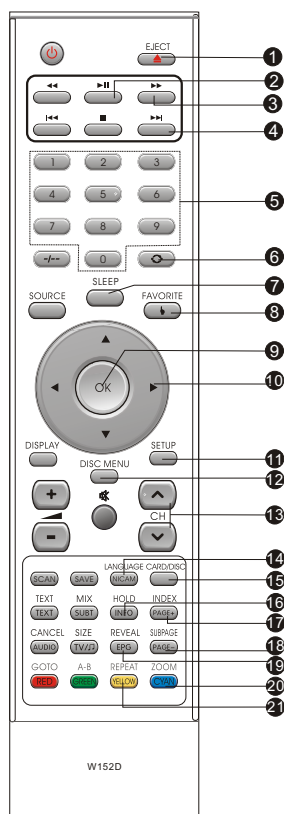


NOTE

You should connect all interconnecting cables BEFORE plugging in the power cord.

REMOTE CONTROLLER

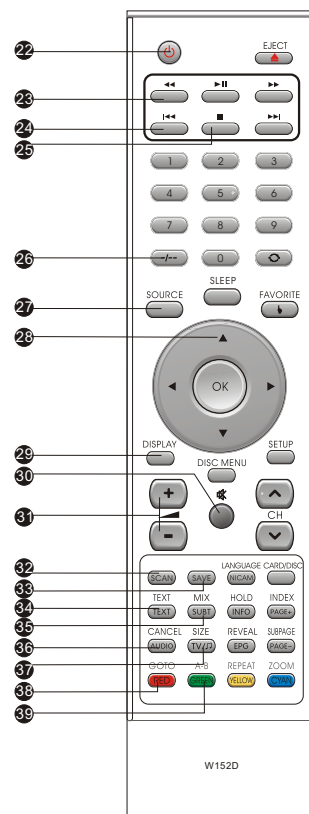
REMOTE BUTTONS



- ❶ **EJECT**
Disc in/out in DVD mode.
- ❷ **[▶||] button**
To play normally or pause playing in DVD mode.
- ❸ **[▶▶] button**
To fast-forwards DVD playback in DVD mode.
- ❹ **[▶▶▶] button**
To select the next chapter or track in DVD mode.
- ❺ **Number button**
To select program number.
- ❻ **RETURN**
To exchange channel between the previous program and the current program in TV/DVB/FM mode.
- ❼ **SLEEP**
To set the sleep timer.
- ❽ **FAVORITE/Q-PLAY**
Display your favorite channel list in DVB mode / Play DVD directly in DVD mode.
- ❾ **OK button**
To confirm the selections.
- ❿ **Left/Right cursor(menu adjustment)**
To move leftward/ rightward or adjust the selected item in the menu, or adjust sound volume (invalid in DVD and DVB mode).
- ⓫ **SETUP**
Enter or exit setup menu.
- ⓬ **DISC MENU**
To go to the DVD main menu.
- ⓭ **CHANNEL+/-**
To increase or decrease program number in TV/DVB/FM mode.
- ⓮ **LANGUAGE/NICAM**
To switch the output language in DVD/DVB mode / Switch in NICAM, A2 and mono channel (It is effective in TV signal input with NICAM or A2 function).
- ⓯ **CARD/DISC**
Switches between the card reader, DVD and USB mode (valid in DVD mode).
- ⓰ **HOLD/INFO**
To stop teletext on current page / To display the language and sound track in DVD/DVB mode.
- ⓱ **INDEX/PAGE+**
To display main content page when playing the teletext / Change to the program in next page in DVB mode.
- ⓲ **SUBPAGE/PAGE-**
To display the subpage of the teletext / Change to the program in previous page in DVB mode.
- ⓳ **REVEAL/EPG**
Display the hidden teletext information / To display the program guide in DVB mode.
- ⓴ **ZOOM/CYAN**
To zoom in and zoom out the picture in DVD mode / CYAN button.
- ⓵ **REPEAT/YELLOW**
To repeat playback in DVD mode / YELLOW button.

REMOTE CONTROLLER

- 22 STANDBY**
To switch between standby mode and power-on mode.
- 23 [<<] button**
To fast backward playback in DVD mode.
- 24 [<<<] button**
To select the previous chapter or track in DVD mode.
- 25 [■] button**
To stop playing in DVD mode.
- 26 TWO-DIGIT NUMBER BUTTON**
To switch between one or two-digit program number.
- 27 SOURCE**
To select input source: TV, DVB, DVD, FM, AV, SCART, YPBPR and VGA.
- 28 UP/DOWN cursor**
To select upward/downward in the menu or change the channel in TV/DVB mode.
- 29 DISPLAY**
To display current source information.
- 30 MUTE**
Sound mute switch.
- 31 Volume +/-**
To increase or decrease sound volume.
- 32 SCAN**
Long press the button to start scanning automatically in TV/DVB/FM mode.
- 33 SAVE**
Save the channel in FM mode.
- 34 TEXT/TEXT**
To enable or disable the function of teletext.
- 35 MIX/SUBT**
To display TV and teletext in the same time /Selects the subtitle language in DVD/DVB mode.
- 36 CANCEL/AUDIO**
To cancel teletext/To change the audio language and soundtrack in DVB mode.
- 37 SIZE/TV/**
To magnify teletext page/To switch between TV and Radio modes in DVB mode.

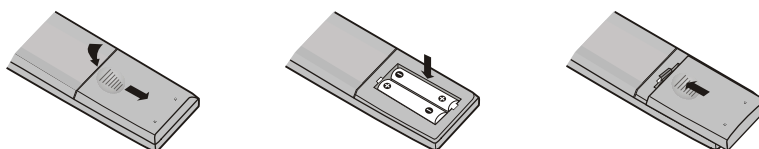


- 36 GOTO/RED**
To play from a certain time point in DVD mode/RED button.
- 39 A-B/GREEN**
To segment repeat in DVD mode /Green button.

REMOTE CONTROLLER

BATTERY INSTALLATION

Remove the battery cover. Insert two SUM-4(AAA) batteries matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment, as in the following figure:



BATTERY LIFE

- Generally speaking, the battery may be used for one year, but the battery life is also related to the usage times and remote controller operation.
- If the remote controller is still not operating when very near to the remote sensor window, please replace the battery.
- Please use SUM-4(AAA) battery.

NOTES

- Never use rechargeable battery.
- Never charge, short-circuit, disassemble and heat the battery, or throw it into fire.
- Pay attention not to fall or knock the remote controller, which may cause damage or function failure to it.
- Do not use new and old battery together.
- When not using the remote controller for a long time, please take out the batteries to avoid liquid leakage. Before replacing new batteries, please clean the electrolyte in the remote controller.
- If electrolyte splashes into body, please clean it with water.

CAUTION:

Please put the battery in a place children cannot access. If swallowed by accident, please contact your local doctor immediately.

POWER SUPPLY

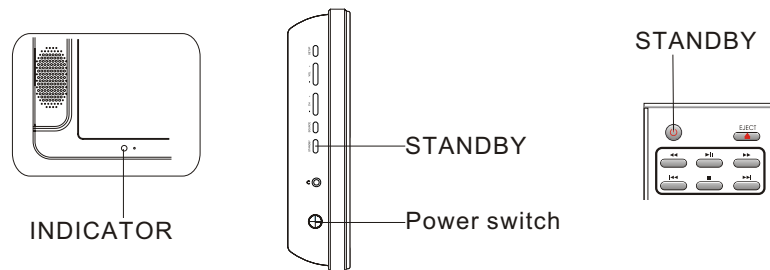
- Please confirm whether the accessories contain the power adapter.
- Please make sure to use power adapter within the specification range, otherwise it will cause damage.
- Use the car adapter in the accessories, connect one end to the socket in your car, the other to the DC socket in the TV.
- The input voltage of the car adapter should be 12Volts.

LET'S START

After this unit is well fixed on the desk or on the wall, and the cords are well connected for input and output, what you should do next is:

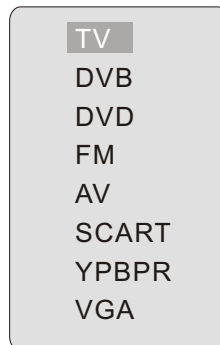
Firstly, connect the adapter to the LCD TV, and turn on the power switch then the unit will go into standby mode, you can see the indicator turned red.

Secondly, press [STANDBY] key on the left side of the LCD TV or [STANDBY] button on the remote control to make the unit switch into working mode, and you will see the indicator turns green. Now you can enjoy all exciting features of the whole new product.



CHANGE SOURCE OPERATION

You can change the input source by using the source Menu. Press [SOURCE] button or [SOURCE] key to show the menu as follows:



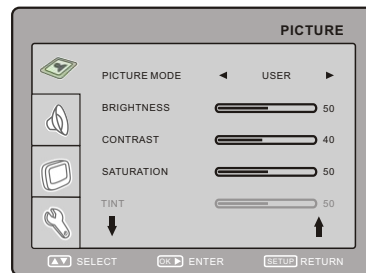
The current source item is highlighted. Press [▲/▼] button on the remote control or [CH+ /CH-] key on the left side of LCD TV to select different source, Press [◀/▶] button, [VOL+ /VOL-] key or [OK] button to confirm your choice.

TV MENU SETUP

This product can store up to 100-channel programs (0~99). You can scan and store all of the channels through manual or automatic scan mode.

In TV mode, press [SETUP] button and the setup menu will show as follows:

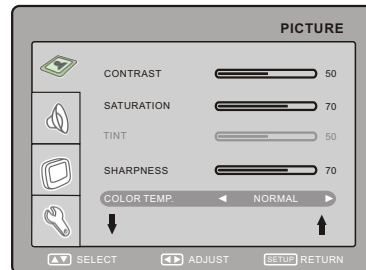
- Pressing [▲/▼] button on the remote control, you can select setup menu sections (setup menu consist of " PICTURE ", " SOUND ", " TV SETUP ", " FUNCTION "). Press [►] or [OK] button to enter this menu section.
- Press [▲/▼] button on the remote control to select the item, and then press [◀/▶] button to adjust parameters. Press [SETUP] button to return to main menu sections.



PICTURE

Select "  " and menu will show as follows:

Press [▲/▼] button to select different items and [◀/▶] button to adjust them.



Item	Description
PICTURE	Can be changed between : "USER ", "STANDARD ", "DYNAMIC " and "SOFT ".
BRIGHTNESS	To adjust brightness.
CONTRAST	To adjust contrast.
SATURATION	To adjust color saturation.
TINT	To adjust picture tint, only valid in N 3.58/N 4.43/PAL60 and display mode with V-scanning frequency equal to 60HZ (please refer to P51).
SHARPNESS	To adjust picture sharpness.
COLOR TEMP.	Select color temperature mode : "NORMAL ", " WARM"and " COOL ".

TV MENU SETUP

NOTE

" ↓↑ " Means there are more items in this page, you can press [▲/▼] button to select them.

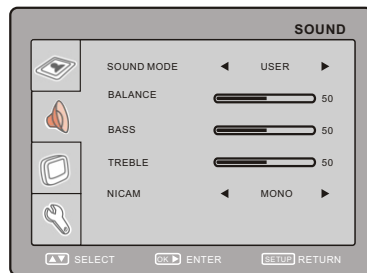
Select "BRIGHTNESS " to adjust it, the sub item will show as follows :
press [◀/▶] button to adjust the value of brightness.



TV MENU SETUP

SOUND

Select " " and menu will show as follows:



- Press [▲/▼] button to select different items and press [◀/▶] button to adjust them. The following are the descriptions of the sound item.

Item	Description
SOUND MODE	Can be changed between "USER", "MUSIC", "FILM" and "NEWS".
BALANCE	To adjust balance of left and right channels.
BASS	To adjust bass.
TREBLE	To adjust treble.
NICAM	Select the NICAM mode (please refer to the notes).

NOTES

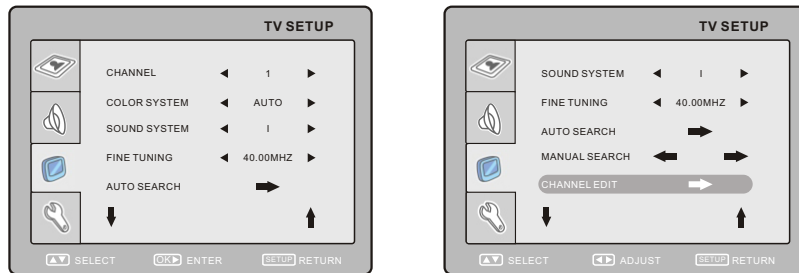
If you can receive Nicam/A2 signal, you can operate as follows to enjoy that.

- You can select Nicam stereo, mono channel or bilingual through NICAM button on the remote control. If Nicam/A2 signal is too weak, this unit will switch into mono channel automatically.
- When selecting mono channel, "MONO" will show on screen; when selecting bilingual I, "DUAL I" will show on screen; when selecting bilingual II, "DUAL II" will show on screen and when selecting stereo, "STEREO" will show on screen.
- Nicam/A2 function is only valid in TV mode while current program coming with Nicam/A2 signal.

TV MENU SETUP

TV SETUP

Select "  " and TV setup menu will show as follows:



- Press [▲/▼] button to select different items and press [◀/▶] button to adjust them.

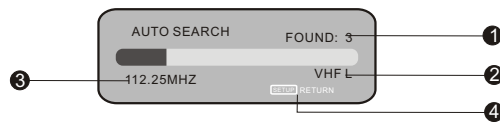
Item	Description
CHANNEL	To change the channel number.
COLOR SYSTEM	Can be changed between: "AUTO", "PAL" and "SECAM".
SOUND SYSTEM	Can be changed between: "B/G", "D/K", "L" and "I".
FINE TUNING	To adjust the channel frequency accurately to make the sound and picture effect better.
AUTO SEARCH	To scan programs and store all of them automatically.
MANUAL SEARCH	To scan programs manually.
CHANNEL EDIT	To enter a submenu to set channel skip and channel swap. Please refer to the next page.

NOTES

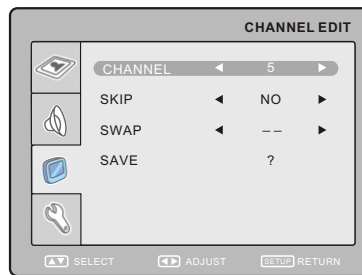
- Which "COLOR SYSTEM" mode and "SOUND SYSTEM" mode to use is related to the local TV broadcasting system.
- If the local system is SECAM L, the color system must be selected as "SECAM" and sound system must be selected as "L".

TV MENU SETUP

- Select "AUTO SEARCH ", the searching menu will show as follows:



- ① The number of programs have found.
 - ② The current searching frequency Band, 3 Bands in total: "VHF L" ,"VHF H" ," UHF".
 - ③ The current searching frequency.
 - ④ During the searching, you can press [SETUP] button to stop it.
- Select "CHANNELEDIT ", the menu will show as follows:



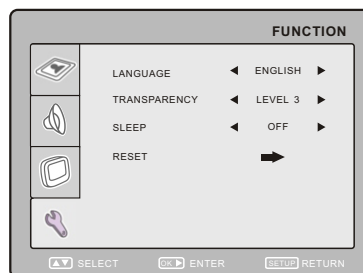
Item	Description
CHANNEL	To select current channel here.
SKIP	To select "YES " or "NO ", you can select "YES " to make current channel unaccessible while using [CH+/-] button to browse channels.
SWAP	Select or enter the channel number directly to swap with current channel.
SAVE	Highlight this option and press the [OK] button to confirm the swap function.

TV MENU SETUP

FUNCTION

You can setup system configuration here.

Press [▲/▼] to select "🔧" item and press [▶] button to enter the following section:



- Press [▲/▼] button to select different items and press [◀/▶] button to adjust them.

Item	Description
LANGUAGE	Set OSD language.
TRANSPARENCY	To adjust transparency of OSD. it can be change from OFF to LEVEL6, 7 levels in total.
SLEEP	To set the sleep timer.
RESET	To reset all value to default.

TELETEXT FUNCTION

Most TV stations provide cost-free teletext information, including the latest news, weather information, TV program list and stock information, etc. You just input the needed teletext page according to the teletext content.

TELETEXT DISPLAY

- ◆ Select the channel with teletext signal;
- ◆ Press [TEXT] button;
- ◆ Select the corresponding page according to the colorized buttons on the remote control;
- ◆ Press [TEXT] again and TV screen will display.

PAGE SELECTION

- ◆ You can input 3 digital numbers to enter the page you want to watch through number buttons. If the inputted number is invalid, you need to input correct 3 digital numbers again after you finished inputting this 3 digital numbers.
- ◆ You can select to turn pages forward or backward through [CH+/-] button.

MIX MODE

This function may let you enjoy TV and teletext information at the same time.

- ◆ When a certain teletext page displays, press [MIX] button, TV and teletext information will display on screen at the same time.
- ◆ Press [MIX] button again and only teletext image displays.
- ◆ In mix mode, the disturbance lines on teletext characters are easy to appear, so you are not recommended to select this mode.

NOTE

Press [CANCEL] button to cancel teletext.

LOCK

You can press [HOLD] button to lock teletext page. Press this button again to cancel locking.

INDEX

Pressing [INDEX] button to display content page.
Enter a certain teletext page through inputting number buttons.

TELETEXT FUNCTION

ZOOM IN TELETEXT

- ◆ When teletext page shows, you may double zoom in to display this teletext page;
- ◆ Press [SIZE] button to zoom in the upper half part of teletext page;
- ◆ Press [SIZE] button again to enter the under half part of teletext page;
- ◆ Press this button for the third time to return to original display mode.

DISPLAY MODE

Press [REVEAL] button to display the hidden teletext information. Press this button again to cancel teletext information displaying.

SUBPAGE

User could press [SUBPAGE] button to select to the subpage of teletext.

COLORIZED BUTTONS (RED, YELLOW, GREEN, CYAN)

Select the corresponding teletext page through colorized buttons.

AV ,SCART and YPBPR SETUP

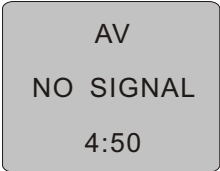
VIDEO SETTING MENU

The menu setup of AV/SCART /YPBPR modes is much the same as that of TV mode, except the "  " section is invalid and a bit difference in sound mode. It is not repeated here. You can find it in preceding pages.

NOTE

If no signal input in TV, AV, SCART, YPBPR the screen will show a similar signal to the following figure.

This unit will go into standby mode automatically with no signal input for 5 minutes.



AV
NO SIGNAL
4:50

- If the input channel is SCART, this unit will automatically recognise RGB or CVBS signal of SCART; when normal RGB signal appears, this unit will automatically switch into RGB display mode. For this unit is combined by multiple functions, when inserting into SCART socket, it will not automatically switch into SCART mode. You have to select SCART channel through [SOURCE] menu, that is a little difference with that of others TV set.

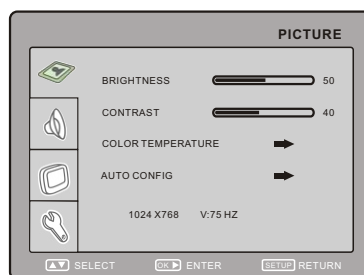
VGA SETUP

With the VGA mode supported up to 1024*768@75Hz, and speakers built in, you can use this unit as a multimedia PC monitor. When this unit works in VGA mode, the following setup can be done.

Press [SETUP] button to enter main section. Press [▲/▼] button to select sections and then press [▶] button or [OK] button to enter. If all is done, please press [SETUP] button twice to exit and your setup data will be saved automatically.

PICTURE

Press [▲/▼] button to select "  ", and press [▶/OK] button to enter.

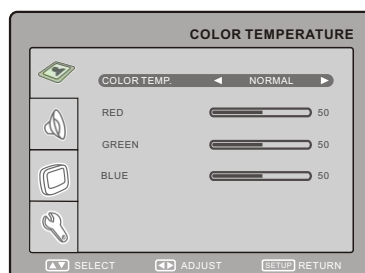


Press [◀/▶] button to adjust value of item.

Item	Description
BRIGHTNESS	To adjust brightness of picture .
CONTRAST	To adjust contrast of picture .
COLOR TEMPERATURE	Enter sub menu to adjust color temperature of picture. Press [◀/▶/OK] button to enter.(details refer to the next page)
AUTO CONFIG	Auto config horizontal/vertical position, phase and frequency. Press [◀/▶/OK] button to activate.
STATUS	The format of the input signal.

VGA SETUP

Here shows the color temperature sub menu.



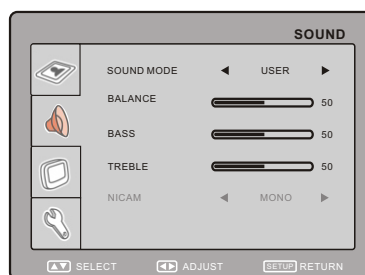
Press [▲/▼] button to select item and press [◀/▶] button to adjust the value of the item.

Item	Description
COLOR TEMP.	Select color temperature mode : "USER", "NORMAL", "WARM" and "COOL".
RED	Adjust red value of color temperature.
GREEN	Adjust green value of color temperature.
BLUE	Adjust blue value of color temperature.

NOTE: The "RED", "GREEN", "BLUE" only can be adjusted in "USER" mode.

SOUND

Press [▲/▼] button to select " " and press [▶/OK] button to enter.

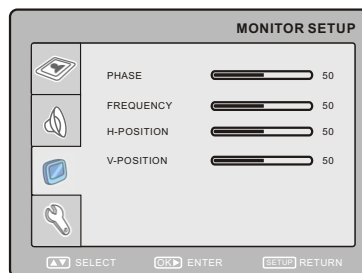


The operation of sound section here is the same as that in TV mode except the NICAM is invalid. Please refer to P11.

VGA SETUP

MONITOR SETUP

Press [▲/▼] button to select " " and press [▶/OK] button to enter.



Press [▲/▼] button to select different items and press [◀/▶] button to adjust.

Item	Description
PHASE	To adjust phase.
FREQUENCY	To adjust frequency.
H-POSITION	To adjust screen horizontal position.
V-POSITION	To adjust screen vertical position.

NOTE

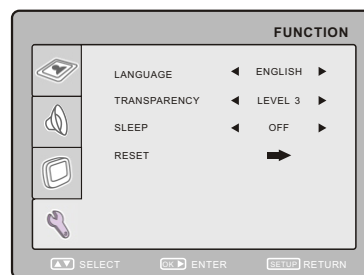
If you use this unit as a PC-monitor, This unit will go into sleep mode with no signal input for 2 minutes. In this mode, the indicator will turn red, and the screen is turned off. You can wake it up by waking up your PC .

VGA
NO SIGNAL
1:50

VGA SETUP

FUNCTION

Press [▲/▼] button to select "🔧", and press [▶/OK] button to enter.



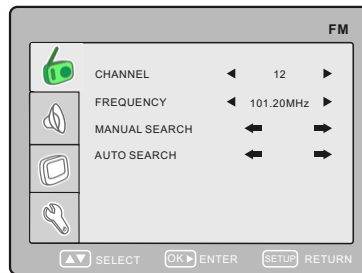
Press [▲/▼] button to select different items and press [◀/▶] button to adjust .

Item	Description
LANGUAGE	Select OSD language .
TRANSPARENCY	To adjust transparency of OSD. it can be change from OFF to LEVEL6, 7 levels in total.
SLEEP	To set the sleep timer.
RESET	Reset all value that related to picture and sound to default .

FM OPERATION

FM

With radio decoder built in , you can enjoy radio programs using this unit.
Connect the FM antenna in the accessories to the FM socket on the rear panel of the TV, change source to FM. Press [SETUP] button and a menu will show as follows:



1. CHANNEL:

Display current channel number, press [◀/▶] button to change channel.

2. FREQUENCY:

The frequency of current channel, press [◀/▶] button to adjust it and press [SAVE] button to save the new frequency of the channel.

3. MANUAL SEARCH:

Search a new channel for current channel number, press [◀] button to decrease frequency and press [▶] button to increase frequency. When a program is found, manual search will stop and press [SAVE] button to save the new channel.

4. AUTO SEARCH:

Search and store all the channels in FM band 87.5--108MHz. Move the cursor to AUTO SEARCH, it become high bright, then press [◀] or [▶] button to auto search.

Press [SETUP] button to give up AUTO SEARCH.

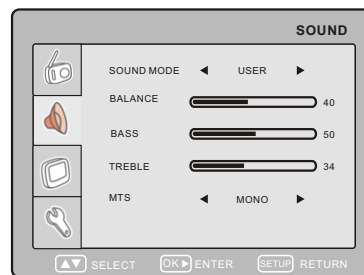
NOTE

- Up to 20 programs can be preset/stored, and you can recall them in 2 ways:
Method 1:
For programs 1 ~ 9, press the number buttons on remote control to access them.
For programs 10 ~ 19, press "-/--" first, then press "0 ~ 9" to access to them;
For channel 20, just press "-/--" twice to access to it.
Method 2:
Press [CH-] button to decrease channel and press [CH+] button to increase channel.
- During scanning, you can press [SETUP] button to stop it.

FM OPERATION

SOUND

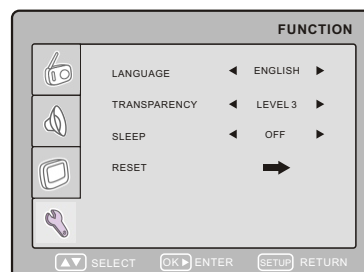
In main section press [▲/▼] button to select "🔊", press [▶/OK] button to enter.



The operation of sound options here is the same as that in TV mode. Please refer to P11.

FUNCTION

Press [▲/▼] button to select "🔧" and press [▶/OK] button to enter.



The operation of function options here is the same as that in VGA mode. Please refer to P21.

DVD OPERATION

Brief Introduction to DVD

DVD is well known for its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7-26 times the CD capacity). With 500-line horizontal resolution of picture, it brings a new era to household AV products.

Comparison Between DVD and Other Discs

	DVD				LD	Super VCD	VCD	CD	CDROM
Recording Method	Digital/MPEG2				Analog	Digital/MPEG2	Digital/MPEG1	Digital	Digital
Capacity	Single-sided 1 layer 4.7G	Single-sided 2 layers 8.5G	Double-sided 1 layer 9.4G	Double-sided 2 layers 17G		650MB	650MB	650MB	650MB
Playback time	133min.	242min.	266min.	484min.	1 side 60min. 2 sides 120min.	45min.	74min.	74min.	
Disc Diameter	12cm				30cm/20cm	12cm	12cm	12cm	12cm
Horizontal Resolution	500 lines or more				430 lines or more	350 lines or more	250 lines or more		
Aspect Ratio	Multiple				One				
Subtitle	32 types				Max. 16 types				
Audio	Dolby Digital				Linear PCM FM modulation			Linear PCM	
Sound Quality	48kHz,96kHz/16,20,24bit				44.1kHz/16bit		44.1kHz	44.1kHz/16bit	

Function Introduction

- Multiple languages and subtitles
DVD disc can support as many as 8 dubbing languages and 32 subtitle languages.
- Multiple story plots
User can select to play the desired plots (the beginning, development or ending) of the same disc.
- Multiple aspect ratios
Multiple aspect ratios support various TV screens.

Disc Pictures	TV Screen		
	4:3		16:9
	Pan-Scan	Letterbox	
4:3 			
16:9 			

DVD OPERATION

Features

This player has employed the new generation DVD decode chip with built-in Dolby Digital decoder which will bring you to a brand-new AV entertainment world. The 2-laser super error-correction mechanism supports CD-R.

Brand-new AV Effects

- ❶ 108MHz/12bit video DAC, with more vivid and brilliant pictures.
- ❷ Progressive-scan video outputs to eliminate the flickers hardly overcome by interlacing scan and therefore your eyesight will be well-protected. At the same time, the pictures definition is sharply enhanced and the pictures will be finer, smoother and stabler
- ❸ Brightness, chroma and contrast adjustment functions to render your eyes more comfortable.
- ❹ Dolby output for 2 channels(DOWNMIX).

High Quality Digital Audio

- ❶ Coaxial outputs for Digital audio.
- ❷ Doby Digital, PCM Digital audio outputs to satisfy the higher acoustic requirements.

Many Convenient Features

- ❶ It's possible to select the desired beginning, development and ending of a story.
- ❷ Direct entry into desired scenes(title/chapter/track search).
- ❸ Zooming function to zoom up any playing picture.
- ❹ Capable of playing PAL/NTSC discs.
- ❺ Parental lock function to prevent children from watching unsuitable discs.
- ❻ Multiple dubbing languages and subtitle languages bring you the best entertainment status all the time.

Super Compatibility with super VCD, VCD, CD , CD-R ,HDCD, KODAK PICTURE CD etc.

DVD OPERATION

Compatible Disc Types

Types	Sizes	Recorded Contents
	12cm	CD-DA: Digital audio
	12cm	VIDEO CD: Compressed digital audio+compressed digital video (dynamic picture)
SVCD	12cm	SVCD: Compressed digital audio+compressed digital video (dynamic picture)
	12cm	DVD: Compressed digital audio+compressed digital video (dynamic picture)
MPEG 4	12cm	MPEG 4: Compressed digital + compressed digital video (dynamic picture).

NOTES

- Issues related to



These icons on the top banner indicate the disc types that the function described in this section applies to.



Applies to DVD disc



Applies to VCD disc



Applies to SVCD disc



Applies to CD disc



Applies to MPEG4 disc

- This model does not support the 8cm disc. Do not insert that type of disc into this device to prevent disc jam.

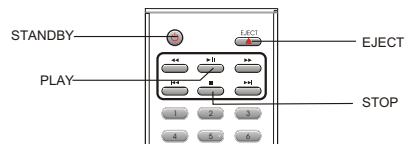
DVD OPERATION

PLAYBACK



1. Power on and place the disc (with label side facing users) to the door and the unit will draw in the disc and switch signal source to DVD mode automatically.

- The unit begins to read disc information.



2. Press [▶▶] button to begin playing disc.

3. Press [■] button to stop playing.

- When the unit is playing a disc, press [■] button the first time and the unit enters pre-stop state, press [■] button again and the unit enters stop state.
- At the pre-stop state, if you press [▶▶] button, the unit will continue to play from the stopped point.
- At the stop state, if you press [▶▶] button, the unit will play from the beginning point of the disc.
- Press [■] button when playing MPEG4 discs and the unit enters stop state directly.

4. Press [▲] button to take out disc.

5. When finishing playing, switch signal source to other working state or press [⏻] button to make the unit enter standby state. Please pull out the power plug from power socket when not using the unit for a long time.

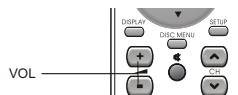
VOLUME CONTROL



1. Press [VOL+ / VOL-] buttons to adjust volume.

2. Press [VOL+ / VOL-] buttons on the remote control of this unit.

- Press [VOL+] button to increase volume; press [VOL-] button to decrease volume; the maximum volume is 100.



DVD OPERATION

PLAY/PAUSE PLAYBACK

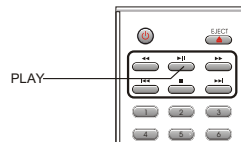


1. Press [PAUSE] button in playback status.

- Press [PAUSE] button once to pause playback, display on TV screen:



2. To restore playback, press the [PAUSE] button.



NOTE

When you set the screen save mode to ON (see Page 40 for details), the display on TV screen turns to screen saver status after the picture on TV screen keep still for about 2 minutes (in modes such as pause mode, stop mode, menu select, setup menu, no disc mode and so on).

INFORMATION



1. Press [INFO] button.

- Disc information and operation function hint display on TV screen when in operation.
- Press [INFO] button to display the following function:

DVD disc:

TT XX:XX CH XX:XX X:XX:XX

Super VCD, VCD, CD discs:

Track XX:XX X:XX:XX

INFO



DVD MENU PLAYBACK



- Some DVD discs are made with title menu or chapter menu function.

DVD OPERATION

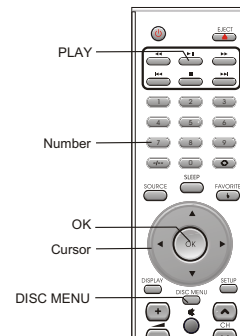
1. Press [DISC MENU] button to display menu on TV screen for selection, operate according to the hint of menu and press number buttons to select.



2. Press cursor button to select track you desired, then press [HI] button or [OK] button.

NOTE

- Press [DISC MENU] button to return to initial menu.
- The return location varies with discs.



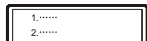
VCD, SVCD MENU PLAYBACK



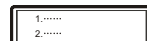
- When playing SVCD, VCD2.0 discs with menu playback function, you may enjoy simple menu playback alternation function. You may set menu playback state in the setup menu and select menu playback or sequence playback.

For instance, VCD 2.0 disc menu playback.

1. TV screen displays main menu.



- Press number buttons to select. For instance, press number button 1 to select main menu 1.



2. After entering main menu 1, TV screen displays submenu.

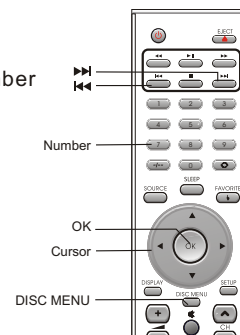


3. Press [◀], [▶] buttons to turn pages.

4. Press number buttons to select submenu content. For instance, press number button 5 and the unit begins to play the fifth track.



5. When playing, pressing [DISC MENU] button to return to the root menu.



DVD OPERATION

PBC PLAYBACK



- Enjoy PBC alternate function when playing Super VCD, VCD2.0 disc with PBC function, For example: play VCD2.0 disc.

1. Main menu displays on TV screen A:



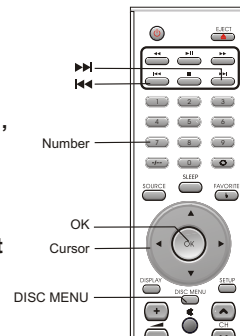
- Press number button to select. For example: select main menu 1. The TV screen as show in B:



2. Submenu displays on TV screen after enter into main menu 1.



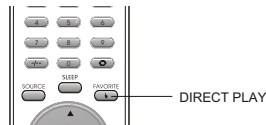
3. Press [◀] or [▶] button to turn to adjacent page.
4. Press number buttons to select submenu. For instance, press number 5, the player begin playback with track 5.
5. Press [DISC MENU] button to submenu. Press again to return to main menu.
6. Press [DISC MENU] button to shut off the PBC and start the sequence playback function.



DIRECT PLAY

Direct play is a creative function that very helpful for users to enjoy DVDs. With direct play function, you can play DVD directly, skipping the legal warning, advertisements, chapter selection and other thing that come before the movies start. You can enjoy pure movies without bothering.

When the disc is loaded and the legal warning, advertisements, chapter selection message shows, just press [↵] button to activate direct play function and start a pure movies playback.



NOTE

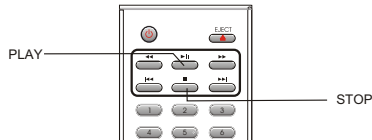
When you are enjoying VCD with PBC function, direct play can disable the PBC and VCD will be played in sequence.

DVD OPERATION

MEMORY



1. This player can save the currently played time point automatically when you leave the current DVD disc playback (switch from DVD to card read state, switch from DVD signal source to other signal source, enter standby state in DVD mode).
2. When switching to DVD playback state again, this player can automatically search the time point saved last time to continue playing. If you want to play from the beginning, please press [■] button twice and then press [▶] button.



NOTE

- This player may save one DVD disc for one time.
- The DVD disc played the last time will be saved, and the former saved contents will be cleared by new saved contents.
- If power is cut off unexpectedly, the DVD disc played currently will not be saved.

SELECT TRACK TO PLAY DIRECTLY BY NUMBER BUTTONS



1. Insert disc, after disc reading and normal playback, press number buttons to select track to play directly.
 - If track number is less than 10, press number buttons 1 to 9 to directly select. For instance, select the seventh track: 7
 - If track number is more than or equal to 10, press [-/-] button and then number buttons 0 to 9. For instance, select the 16th track: [-/-] 6
 - If track number is more than or equal to 20, press [-/-] button twice and then number buttons 0 to 9. The rest can be performed by analog.



SELECT LANGUAGE/AUDIO



1. Press [LANGUAGE] button.
 - As for DVD discs with multiple languages, you may select the desired language when playing.

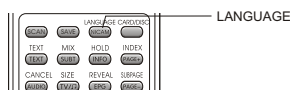
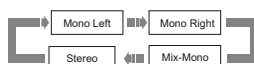
DVD OPERATION

DVD disc:



- As for VCD, SVCD or CD disc with multiple channels, you may select audio output from left or right channel or select stereo audio output. For VCD disc, left channel records dubbing and right channel records singing, and you may select left channel for dubbing.

VCD, SVCD, CD disc:



NOTE

Language type varies with disc recording.

- For VCD story disc with double languages, you may press [LANGUAGE] button to select the desired language.
- When playing some DVD discs, pressing [LANGUAGE] button to switch language may result in playing the track from its beginning.

REPEAT PLAYBACK



- The repeat playback function enables a certain title/chapter/track/disc repeated.

1. Press [REPEAT] button. Each press of REPEAT button may realize different repeat functions.

■ DVD DISC:

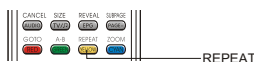


■ SVCD, VCD, CD discs:

- To SVCD, VCD2.0 discs, the repeat function is effective in sequence playback mode; to VCD1.1, CD discs, the repeat function may be directly operated.



- To SVCD, VCD2.0 discs, the repeat function cannot be operated in menu playback mode.



REPEAT PLAYBACK OF SELECTED SEGMENT



1. In normal playback, press [A-B] button at the beginning point (point A) of the segment that you desire to play repeatedly.

TV screen displays:



2. In normal playback, press [A-B] button at the ending point (point B) of the segment that you desire to play repeatedly.

TV screen displays:



- The unit restores to normal playback.



- A-B

NOTE

- The A-B repeat function may be invalid to some discs. In menu playback mode, the segment can only be selected in the track.

FAST PLAYBACK



- When playing discs, you may select fast forward or fast backward playback to search a certain point.

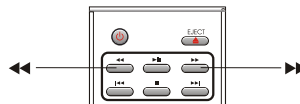
- 1. Press [▶▶] button and the unit begins fast forward playback.**

- Press [▶] button each time and the disc playback speed switches in the following sequence circularly:



- 2. Press [◀] button and the unit begins fast backward playback.**

- Press [↔] button each time and the disc playback speed switches in the following sequence circularly:



DVD OPERATION

PLAY FROM THE DESIRED POSITION

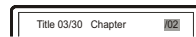


■ Play DVD disc

- Inputting a certain time, title number or chapter number directly may search in the disc fast and then play forward from this position.

1. Search title and chapter. For instance, search the 2nd chapter in title 6.

- Press [GOTO] button and TV screen displays:



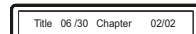
- Press [◀/▶] button to move cursor and lighten the title number, shown in the figure:



- Then press number button 6 to select Title 6, shown in the figure:

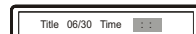


- Finally press number button 2 to select Chapter 2, shown in the figure:



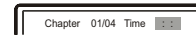
2. Search title time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.



3. Search chapter time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.



■ Play MPEG4 disc

1. Select track

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input the track.



2. Search track time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.



■ Play SVCD, VCD and CD discs

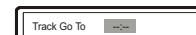
1. Search disc time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.



2. Search track time

- Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.



DVD OPERATION

3. Select the track

- Press [GOTO] button until TV screen displays the following figure. Press number buttons to input track.



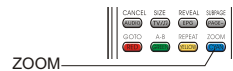
ZOOMING THE DISPLAYED FRAME



- Zoom in/out the player frame.
- When playing a disc, press the [ZOOM] button can open the zoom in/out function, and the TV screen displays(take X2 mode as an example):



- The frame is magnified to 2 times of the normal size.
- Press the [ZOOM] button continually, all the magnified/ minified modes display on the screen in turn. The magnified/ minified modes includes:2X,3X,4X,1/2,1/3,1/4.
 - When the mode is on 1/4, press [ZOOM] button to close the zoom in/ out function, and the frame restores normal size.
 - When the fame is magnified, press the [▲/▼ ◀/▶] buttons to move the frame.



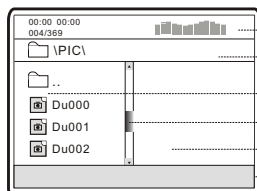
MPEG4 AND JPEG FILE PLAYING

MPEG4 is the video/audio standard published by MPEG(Moving Pictures Experts Group) in November, 1998. As the discrepant parts between frames of the picture only are processed and the same parts are deleted, the data quantity is greatly decreased. The most distinct feature of MPEG4 is the high compression and clear imaging. Furthermore, MPEG4 provides elastic specifications to adjust the stream according to the user requirements. The larger stream can be used when collecting private films; and the small stream can be used in network transferring, which make MPEG4 widely used.

JPEG(Joint Photographic Experts Group) is the most widely used picture compression and storage format today. Utilizing high efficiency compression algorithm, JPEG compresses the original picture 15 to 20 times with excellent picture quality. JPEG features small size data, convenient application and is supported by most picture processing software, so it is very suitable to store photos.

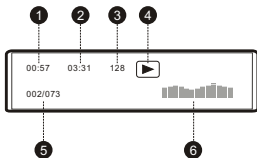
The strong decoding capability of this unit can decode and play the files with the above formats. In the course of playing, an operation menu will appear and its construction is shown as follows.

DVD OPERATION



- ① State window
Display the current state information.
- ② DIR window
Display the current path.
- ③ File window
Display the current path's file.
- ④ Scroll bar window
Indicate the current file's position.
- ⑤ Preview window
JPEG image preview.
- ⑥ Information window
Display the current operation prompts.

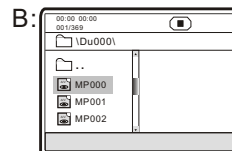
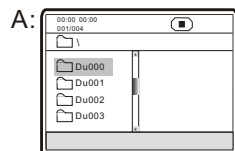
The state information in state window is as follows:



- ① Elapsed playback time
- ② Total playback time
- ③ The audio bit rate (generally the bit rate is 128kbps, sometimes it is VBR).
- ④ Current playback mode indicator
- ⑤ Track indicator
- ⑥ Dynamic frequency spectrum indicator

1. Play MPEG4 file

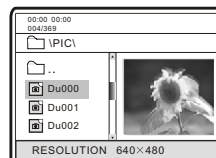
After you put a MPEG4 format file into the unit, it will search disc information and display the operation menu as figure A (The displayed content varies with disc.).



- Press [▲/▼] button to select the directory you desired and press [OK] button to confirm. For instance, you select the directory Du000 in Figure A, press [OK] button and TV screen displays as in Figure B. The window returns to the previous directory when you select [⏮] or press [⏪] button.
- In Figure B, press [▲/▼] button to select the MPEG4 format file you desired and press [OK] button to confirm. The unit begins to play MPEG4 format movie.

2. Play JPEG file

After you put a JPEG format file into the unit, it will search disc information and display the operation menu as in the following figure. After selecting JPEG file, the preview window will appear this file's preview image to facilitate you to select. After you select the JPEG file you desired and press [OK] button to confirm, the picture will display in full screen.



DVD OPERATION

■ Other basic operation methods

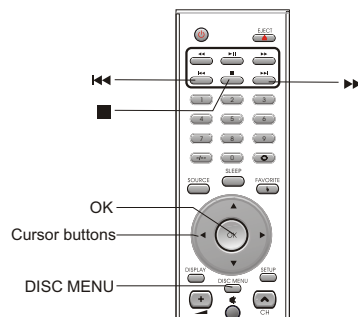
1. Press [◀◀],[▶▶] button may turn to the next or last page.

■ Other functions of JPEG file

1. When playing JPEG file, pressing [■] button will achieve preview playback function. At the same time, all JPEG files are displayed on TV screen. One page can display up to 12 pictures at most. The remaining ones are shown on the next page. Pressing [▶▶] button will enter the next page and [◀◀] button will enter the previous page. You may press number buttons or [▲/▼] button to select the picture you desired and press [OK] button to confirm.
2. When in preview playback, pressing [DISC MENU] button will exit preview playback function.

NOTE

When buttons are invalid, TV screen displays:



- Please press effective button again.

Headphone Enjoying



1. If you want to use headphone to enjoy all by yourself, adjust the master volume to the minimum firstly, then insert the headphone plug into the headphone jack of this player and adjust the master volume until suitable.



CARD READER AND USB OPERATION

USAGE OF USB DEVICE AND 3-IN-1 CARD READER

USB refers to Universal Serial Bus. Most of USB devices on the market are USB1.1 or USB2.0. Here are some common types of USB 1.1 devices:

Monitors, Communication devices, Audio Human Input Device(HID), Mass storage drives etc. Most flash memory, USB HDD etc. belongs to Mass Storage Class. Mass Storage Class includes 2 transport manners:

1. USB 1.1 Mass Storage Class Control/Bulk/Interrupt (CBI) Transport
2. USB 1.1 Mass Storage Class Bulk-Only Transport

This unit supports USB 1.1 Mass Storage Class Bulk-Only Transport.

When using USB 1.1 Mass Storage Class Bulk-Only Transport devices, please note that the file operation system only supports Windows FAT, it does not support FAT32 and NTFS file system. The 3-in-1 card reader of this player can read SD Card (Secure Digital Card), MMC Card (Multi Media Card) MS Card (Memory Stick Card).

Important: Before you use the USB or card reader function, you should change the input source of the TV to DVD and press [CARD/DISK] button. This unit can only support the USB HDD which has one partition, if you USB HDD has several partitions, error maybe occur.

1. Using USB devices:

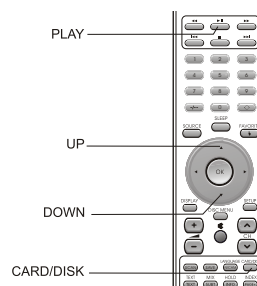
Please insert USB devices into the USB jack of this unit then press [CARD/DISK] button. After correctly reading USB devices data, the screen will display an operation menu. Please refer to the part of "MPEG4 and JPEG FILE PLAYBACK" on page 35 for details.



2. Play 3-in-1 CARD READER

In DVD mode, press [CARD/DISK] button thrice, the TV set will detect and read card. If there is a supported card in the card port, after reading card data correctly, an operation menu will be displayed on the screen.

If you want to switch to DVD state, please press [CARD/DISK] button to exit USB and card reader state.



CARD READER AND USB OPERATION

NOTES

- This player can play USB devices and MPEG4 and JPEG files in SD, MMC and MS cards.
- When reading MPEG files with large size in USB device or media card, pause may appear.
- If there is no files in USB devices or media card, on-screen appears "Empty Device".
If USB devices or media card have a problem, or the operation is incorrect, the screen displays "Device Error". Please check USB device or media card, or else unplug them then insert them again.
- If a USB device or media card which are unsupported by the machine have been connected, the unit may 'lock-up' and won't respond to commands. In this event please switch off the power, take out USB equipment or media card, and then switch the power back on to reset the machine.
- This unit does not support USB On The Go (OTG) technology, so any devices with OTG data exchange mode may not work correctly. Check this out before operation.
- When inserting a media card, you should insert it in the right direction: If you are facing the TV screen, make sure you plug-in the card with its connector facing away from you.
- Please take off the USB while it stops playing. Never take off it while it's playing.
- When the button is invalid, the TV screen displays:

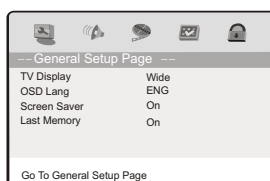


Press the effective button again.

DVD FUNCTION SETUP

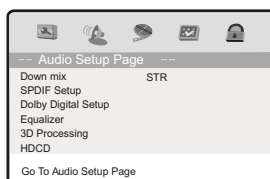
Turn on this TV, press [SOURCE] button to change source to DVD, press [SETUP] button, then press [◀/▶] button to choose DVD item, the DVD setup menu will be displayed as follow:

GENERAL SETUP



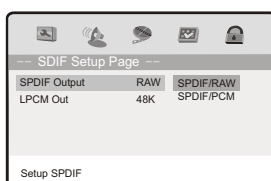
- 1. TV Display: This item is used to set the output picture ratio of this unit.**
 - Optional settings: Normal/PS, Normal/LB, Wide, Wide Squeeze; Default: Wide.
 - 2. OSD language: This item is used to set the OSD language .**
 - Optional settings: English; Default: English
 - 3. Screen Saver: Open or close the screen saver.**
 - Optional settings: On, Off; Default: On
 - 4. Last Memory: This player can save the currently played time point automatically when you leave the current DVD disc playback (switch from DVD to card read state, switch from DVD signal source to other signal source, enter standby state in DVD mode).**
 - Optional settings: On, Off; Default: On
- NOTE:** When switching to DVD playback state again, this player can automatically search the time point saved last time to continue playing. If you want to play from the beginning, please press [■] button twice and then press [▶] button.

AUDIO SETUP



- 1. Down mix mode: this item is used to set this unit's DOWN MIX mode to change multi channel audio into 2-channel audio output.**
 - Optional settings: LT/RT, Stereo; Default: Stereo
- 2. SPDIF Setup:** Press [OK] or [▶] button to enter the submenu of SPDIF setup.

DVD FUNCTION SETUP



SPDIF output: This item is used to set the bit stream type of the digital output.

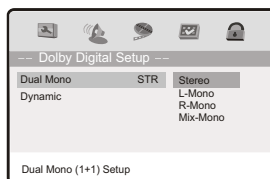
- Optional settings: SPDIF/RAW, SPDIF/PCM; Default: SPDIF/RAW

LPCM output: This item is used to set the output frequency of LPCM audio data to fit for different power amplifiers.

- Optional settings: 48K, 96K; Default: 48K.

NOTE: Only when the SPDIF output is set the SPDIF/PCM, the frequency of LPCM audio data is optional.

3. Dolby Digital Setup: Press [OK] or [▶] button to enter the submenu.



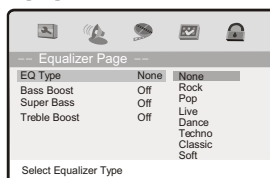
Dual Mono:

- Optional settings: Stereo, L-Mono, R-Mono, Mix-Mono; Default: Stereo.

Dynamic:

- Optional settings: Off, 1/4, 1/2, 3/4, Full; Default: Off.

4. Equalizer : Press [OK] or [▶] button to enter the submenu to adjust the items.



- EQ Type: Set equalizer type, optional settings: None, Rock, Pop, Live, Dance, Techno, Classic, Soft; Default: None.
- Bass Boost: Enhance low frequency sound level, optional settings: On, Off; default: Off.
- Super Bass: Enhance very low frequency sound level, optional settings: On, Off; default: Off.
- Treble Boost: Enhance high frequency sound level, optional settings: On, Off; default: Off.

5. 3D Processing: Set reverberation mode .

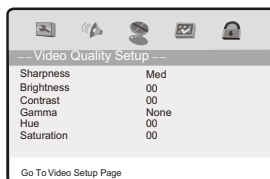
- Optional settings: Off, Concert, Living Room, Hall, Bathroom, Cave, Arena, Church; Default: Off.

6. HDCD: Set filter mode.

- Optional settings: Off, 1X, 2X; Default: 1X.

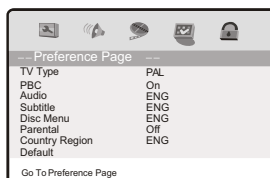
DVD FUNCTION SETUP

VIDEO SETUP



- 1. Sharpness:** This item is used to set the sharpness of video outputs.
 - Optional settings: High, Medium, Low; Default: Med.
- 2. Brightness:** This item is used to set the brightness of video outputs.
- 3. Contrast:** This item is used to set the contrast of video outputs.
- 4. Gamma:** This item is used to set the color temperature of video output.
 - Optional settings: High, Medium, Low, None ; Default: None
- 5. Hue:** This item is used to set the hue of video outputs.
- 6. Saturation:** This item is used to set the saturation of video outputs.

PREFERENCE SETUP



- 1. TV Type:** To set the output video system of this player.
 - Optional settings: PAL, Auto, NTSC; Default: PAL.
- 2. PBC:** To set the PBC status.
 - When playing SVCD, VCD2.0 discs, if PBC is set On, this unit enters PBC playback mode; if PBC is set Off, the unit plays the disc according to track sequence.
Optional settings: On, Off; Default: On
- 3. Audio:** This item is used to set the preference audio language when playing.
- 4. Subtitle:** This item is used to set the preference subtitle language when playing.
- 5. Disc menu language:** This item is used to set the preference disc menu language when playing.
 - Default of disc menu language: English

DVD FUNCTION SETUP

NOTE

- Audio, subtitle and disc menu language are only effective in DVD mode.
- If the disc is not recorded with the language you appointed, the unit will apply the language that the disc appointed to play.
- Select other languages: press [▲/▼] button to move cursor to "OTHER" item, press [OK] button and then number buttons to input the language code you desired. After input finishes, press [OK] button again.

6. Parental: this item is used to set the parental control ratings to prevent children from watching restricted contents. (In the event the disc supports this function)

- Optional settings: KID SAFE, G, PG, PG 13, PGR, R, NC17, ADULT, Off; Default: Off

NOTE

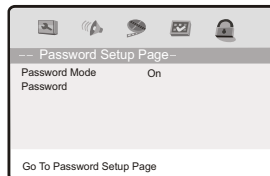
- When changing the parental control ratings, a password is needed. Please refer to the following password item for details.

7. Country Region: Set the country region according to your country.

8. Default: This item is used to restore all settings to the default value except "Parental control " and "Password" in the setup menu.

PASSWORD SETUP

Password : This item is used to set a six digit password to enable you to change the parental control ratings.



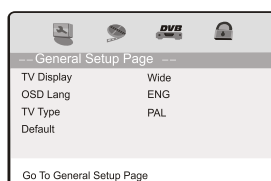
- Password Mode: To set whether parental control function needs a password, optional setting: On, Off; Default: On.
- Password : To change the password of the parental control function, default :000000.

DVB FUNCTION SETUP

Turn on the TV, press [SOURCE] button to change source to DVB, then you can enjoy the rich and colorful contents of Digital Video Broadcast!

In DVB mode, press [SETUP] button, then press [◀/▶] button to choose DVB item ,the DVB setup menu will be introduce as follow:

GENERAL SETUP



1. TV Display: This item is used to set the output picture ratio of this unit.

- Optional settings: Normal/PS, Normal/LB, Wide, Wide Squeeze; Default: Wide.

2. OSD language: This item is used to set the OSD language .

- Optional settings: English; Default: English

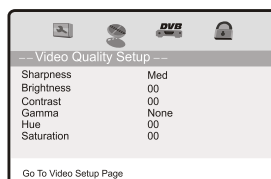
3. TV Type: To set the output video system of this player.

- Optional settings: PAL, Auto, NTSC; Default: PAL.

4. Default: This item is used to restore all settings to the default value except "Parental control" and "Password" in the setup menu.

NOTE: Please don't do any operation during setting the value to default, or the unit may work abnormally.

VIDEO SETUP



1. Sharpness: This item is used to set the sharpness of video outputs.

- Optional settings: High, Medium, Low; Default: Med.

2. Brightness: This item is used to set the brightness of video outputs.

3. Contrast: This item is used to set the contrast of video outputs.

4. Gamma: This item is used to set the color temperature of video output.

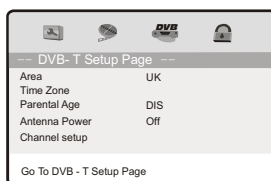
- Optional settings: High, Medium, Low, None ; Default: None

5. Hue: This item is used to set the hue of video outputs.

6. Saturation: This item is used to set the saturation of video outputs.

DVB FUNCTION SETUP

DVB-T SETUP



The DVB-T Setup Page is composed of five parts: Area, Time Zone, parental Age, Antenna power, Channel Setup.

Note : Press [▲/▼] button to select different item, and press [OK] or [▶] button to enter it. Press [◀] button to return to the previous menu or to exit the current menu .

1. Area

You can choose the area of your country.

Optional settings: Australia, Austria, Belgium, Denmark, Estonia, Germany, Spain, France, Italy, Netherland, Taiwan, UK ,Others, Default: UK.

Note : you must set the correct area before searching channels.

2. Time zone

To choose your time zone, it is set depending on your country. If you don't know the exact time, please ask local time management department.

Default: 00:00

3. Parental age

This item is used to set the parental control ratings .To prevent your children watching undesired programmes.

Optional settings: 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,Disable

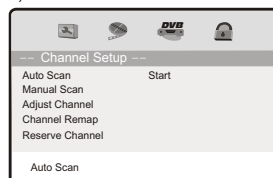
Default: Disable

4. Antenna power

Turn on/off antenna power supply, optional settings: On, Off; Default: Off.

5. Channel setup

This item is used to search channels, edit the channel list or your favourite channel list, view program guide information, etc.



● Auto Scan

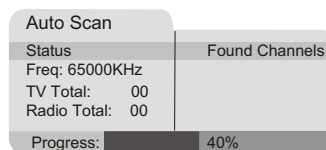
Connect the antenna to the RF socket on the TV as follows, then you can automatically search channels without entering any other information.

DVB FUNCTION SETUP

In the scan process, the scan result will be displayed in the Auto Scan window.

- Press [SCAN] on remote control more than 3 seconds to autoscan.
- Using the [▲/▼] button to select the Auto Scan item, and press [OK] or [▶] button to select Start item, then press [OK] button;

A prompting message will be displayed to request that you confirm, select OK and press the [OK] button to confirm.

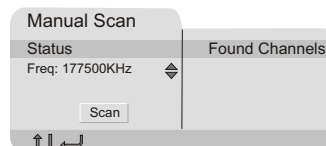


Note: If you press the [SETUP] button during scanning, the operation is stopped and a prompting message will be displayed at the bottom of Auto Scan window. Select "OK" and press [OK] button to abort auto scan operation, and the channels found until then will be saved. And select "Cancel" and press [OK] button to return to auto scan process. Wait while the TV searches for the channels, this may take a few minutes. Once you press [OK] button to start auto search operation, all the saved channels will be cleared.

● Manual scan

You can scan channels manually by setting scan parameters.

1. In setup menu, select "Manual Scan" item using the [▲/▼] button, and press [OK] or [▶] button to select Start item, then press [OK] button.
2. Use [▲/▼] button or enter you desired frequency to search directly.
3. Select Scan item to start manual scan operation.
4. The scan result will be displayed on the manual scan window, you can save the found channels or delete them if the TV has the same program.



● Adjust channel

You can set your favorite channel, set parental control age for some channels or skip channel in Adjust Channel window.

1. Select channel using [▲/▼] button, Press [RED] button to set this channel as one of your favorite channels.
2. Select channel using [▲/▼] button, if you don't like this channel press [GREEN] button to skip it.
3. Select channel using [▲/▼] button, press [YELLOW] button to set this channel as a protected one, to prevent children dialog from watching the undesired program.

Note: If the password mode is set to be On, when you set a channel protected, a password will be needed to be inputted in the Protect Channel window. The default password is 000000.

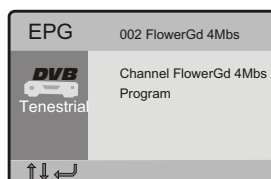
● Channel Remap

You can change every channel position as you like in channel remap window.

DVB FUNCTION SETUP

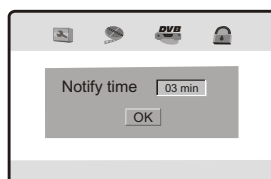
● Reserve Channel

If you want to watch a special program on a channel at a later time, you can reserve it. Then a reminding signal will be displayed on screen several minutes before it starts.



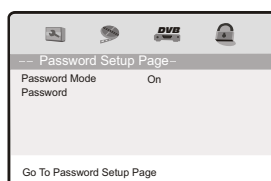
Press [EPG] button, then a program information list of current channel will be displayed in a window, move the cursor to PROGRAM, then press [OK] button, a more detailed program list will be displayed, move the cursor to the program which you want to watch, then press [OK] button, the program is saved in your reserved channel.

You can set the time when the reminding signal should be displayed before the program starts.



PASSWORD SETUP

Password : This item is used to set a six digit password to enable you to change the parental control ratings or the protected channels..



- Password Mode: To set whether parental control function or protected channels needs a password, optional setting: On, Off; Default: On.
- Password: To change the password, default :000000.

TROUBLESHOOTING

Please check for causes of problems in accordance with the following chart before contacting maintenance personnel.

DISPLAY TROUBLESHOOTING

Symptom	Causes and Correction
Black screen, power indicator light off	◆ Check whether the power cord is well connected, and whether this unit is powered on
	◆ Check whether the signal cord of input device is well connected
	◆ Check whether input device is powered on
Image display flicker, unstable	◆ Check whether the input device signal is in this unit's specification
	◆ Check computer output mode: control panel-display-setup
	◆ If the setup does not accord with this unit's specification, please change the display setup
	◆ Horizontal scanning frequency: 30kHz~75kHz ◆ Vertical scanning frequency: 50 Hz~75Hz ◆ Max display mode: 1024X768@75 Hz

SOUND AND TV TROUBLESHOOTING

Symptom	Causes and Correction
Cannot power on	◆ Please make sure the power cord is correctly connected
No sound	◆ Please make sure the audio cord is correctly connected
	◆ Check volume
	◆ Make sure there is nothing plugged into the headphone jack
Volume too low	◆ Check volume
	◆ If volume is still too low when adjusting volume to maximum, please check whether the input device is correctly
Snowy picture	◆ Please make sure the antenna is well connected
Remote control failure	◆ Check whether remote control battery is full charged
	◆ Whether battery installation is correct
	◆ Whether obstacles exist between remote control and the unit's receiving window
	◆ Check whether receiving window has strong light

TROUBLESHOOTING

DVD TROUBLESHOOTING

Symptom	Causes	Correction
Not play	1. Condensation on laser head 2. Disc not properly loaded 3. Disc not compatible with the unit	1. Switch on power and wait for 1 to 2 hours 2. Make sure label side of the disc facing up 3. Confirm whether this unit is compatible with the placed disc
Sound distortion	1. Too large volume of connected device 2. Sound field mode not suitable for disc	1. Adjust the device volume 2. Adjust appropriate sound field
No sound	1. Disc warped or dirty 2. The unit in mute state	1. Clean the disc 2. Press MUTE button to cancel it.
No image	1. TV not set for proper system	1. Reset AV/TV state of TV
No color	1. TV system not right 2. TV color not well adjusted	1. Reset the TV color
No disc reading	1. Disc warped or dirty 2. Disc not correctly placed 3. Condensation on laser head	1. Clean the disc 2. Reload a disc with label side facing up 3. Switch on power, unload disc and leave it for about 1 hour
Temporary function failure	1. Mal-fabricated disc used 2. Wrong buttons pressed 3. Static leakage into the unit from outside	1. Wait for 5 to 10 seconds to restore to normality automatically 2. Operate again 3. Power off for 1 to 2 minutes to power on again
No subtitle	1. No subtitle recorded on disc 2. The unit subtitle is turned off	1. Disc problem 2. Press SUBT button to select it
Image rolling	1. System setup not suitable for disc	1. Adjust system mode

- If the above methods still cannot solve the problem or the troubles are not listed, please contact local maintenance personnel.

SPECIFICATIONS

Panel	Type Class Size Display Size (mm) Pixel Pitch (mm) Response time (ms) Brightness (Cd/m ²) Contrast ratio Viewing Angle (H) Viewing Angle (V) Panel Life (Hours)	TFT color II (ISO 13406-2) 15" 304.1 (H) x 228.0(V) 0.297 (H) x 0.297 (V) 16 250 450:1 120 100 50 000
Frequency	Vertical Horizontal Display Color	50 Hz – 75 Hz 30kHz– 75 kHz 16.7 M
Display Mode	Optimum Mode	1024x768; 75 Hz
Inputs	Video Composite VGA SCART YPBPR Audio Stereo Other interface USB FM	1 1 1 1 1 1 2 1
Outputs	Audio Headphone Digital Coaxial	1 1
Color Systems	TV tuner Video inputs	PAL, SECAM PAL, SECAM, NTSC 3.58, NTSC 4.43, PAL60
Sound Systems	TV tuner	DK, I, BG, L
DVD	Disc type	CD-R/RW, DVD-R/RW, DVD+R/RW
	Formats	DVD-Video, DivX, XviD, SVCD, VCD, CD-DA, HDCD, WMA, Kodak Picture CD, JPEG
Power adaptor	Input	~ 100 V – 240 V; 50/60 Hz
	Output	= 12 V, 4.5 A
Power	Normal	40 W
	Standby mode	Less than 3w
Environmental Consideration	Operating Temperature	+5°C...+35 °C
	Operating Humidity	10% – 80%
	Storage Temperature	–20°C...+45 °C
	Storage Humidity	5% – 95%
DVB	Input connector Frequency range (VHF/UHF) Channel range(VHF/UHF)	IEC-Type, IEC 169-2, Female 174MHz~858MHz 7 & 8 Mhz
Dimensions (W x H x D)	438.7 mm x 163.1 mm x 295.7 mm	
Net Weight	5.5 kg	

- These items are depended on the TFT panel, Design and specification are subject to change without notice.
- Because of disc quality and format differences we cannot assure the unit will read all. Some functions cannot utilized on some discs, but this is not a fault with the machine.

DISPLAY MODE

SUPPORTED PC INPUT MODE				
Resolution	Hor scanning frequency (KHz)	Ver scanning frequency (Hz)	Pixel frequency (MHz)	Format
640×350	31.5	70.0	25.17	DOS
720×400	31.5	70.0	28.32	DOS
640×480	31.5	60.0	25.18	DOS
640×480	37.9	72.0	31.50	VESA
640×480	37.5	75.0	31.50	VESA
800×600	35.1	56.2	36.00	VESA
800×600	37.9	60.0	40.00	VESA
800×600	48.1	72.0	50.00	VESA
800×600	46.9	75.0	49.50	VESA
1024×768	48.4	60.0	65.00	VESA
1024×768	56.5	70.11	75.00	VESA
1024×768	60.0	75.0	78.75	VESA

NOTES

- This product does not support the display mode not listed above. In order to achieve the best display effect, please select the above-listed 12 display modes input signal.
- Because of the difference of display card output signal (especially non-standard signal output), the display image may appear little disturbance which can be adjusted through "AUTO CONFIG" in the "PICTURE" menu by users.
- To prolong this unit's service life, you are suggested to use power management function of computer.

DISPLAY MODE

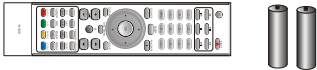
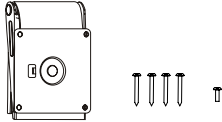
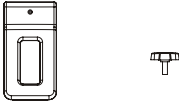
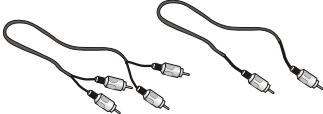
SUPPORTED VIDEO INPUT MODE			
Format	Hor scanning frequency (KHZ)	Ver scanning frequency (HZ)	Vert scantype
720X480	31.5	60	480P
720X480	15.6	60	480i
720X576	31.2	50	576P
720X576	15.6	50	576i

NOTE

Specifications and designs are subject to change without notice.

ACCESSORIES

Please check the following accessories.

	
User manual	Remote control and battery
	
Wall Mount Holder Kit (optional)	Power adapter
	
Kickstand Kit	AV cord
	
FM antenna	Automotive Power socket adapter